

# DAKE LABORATORY PRESSES



distributed by:

Catalog No. 444

# DAKE

## LABORATORY PRESSES

### FEATURES:

**PLUG IN PLATENS:** The self-leveling, electrically heated, water cooled, precision ground steel platens are plugged into the control panel.

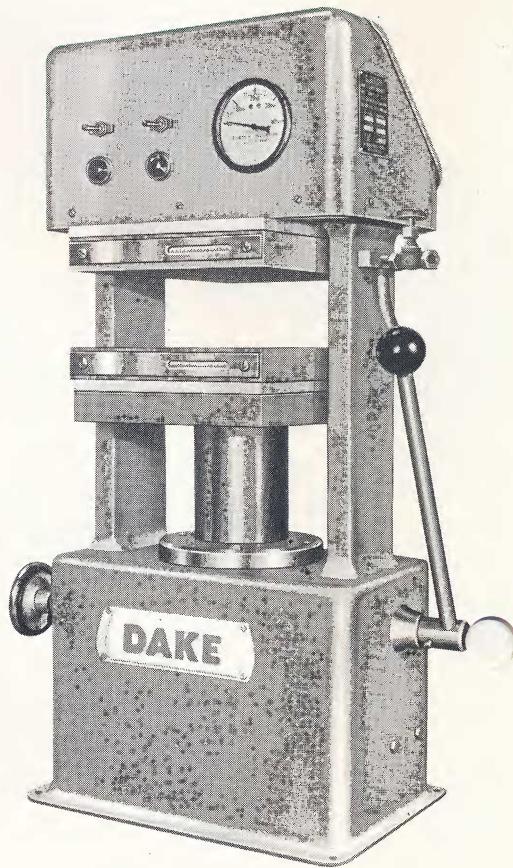
**PRECISE TEMPERATURE CONTROL:** Each platen has its own complete set of controls including adjustable thermostitch, built-in thermometer, power switch and pilot light. Temperatures are accurately controlled from 100° to 600°F.

**MULTIPLE PLATENS:** Two, three and four platen installations are available. Four platen construction is primarily used for laminating applications where the upper two platens are heated and the lower two are water cooled.

**HYDRAULIC SYSTEM:** A unique pump design provides a rapid advance of the ram utilizing the high volume-low pressure portion of the pump. When the down stroke of the pump lever is used the pump automatically converts to the high pressure-low volume output providing accurate control and easy operation. The carefully constructed hydraulic system enables the press to hold pressure for extra long periods of time. The release valve on the side of the press enables the operator to adjust the pressure accurately as well as accomplish gradual decompression or fast opening of the press.

**TWO POSITION RAM:** A removable adaptor is placed between the self-leveling platen and the ram. By removing the adaptor a greater daylight dimension is available.

**CONTROL PANEL:** A conveniently located panel at the top of the press is isolated from the press and is cooled by an air space between the housing and the upper platen. All electicals are mounted on a separate plaque for easy servicing.



### S P E C I F I C A T I O N S

**25  
TONS**

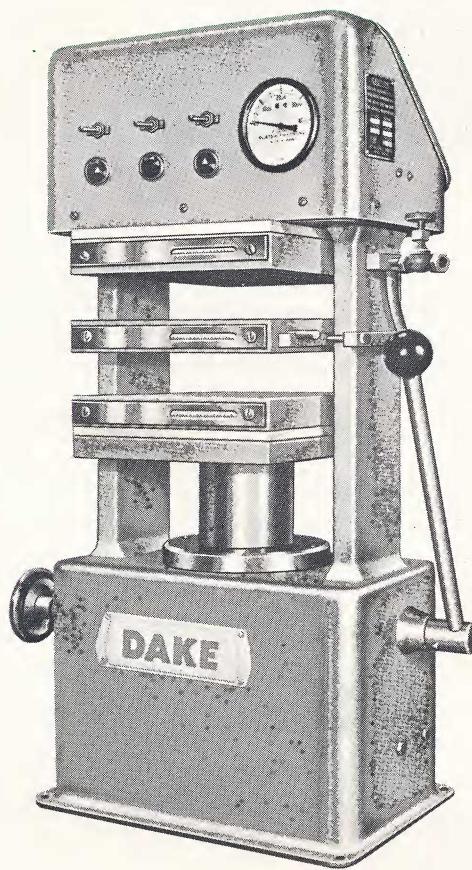
Model No.	Stroke	Platens	No. of Platens	Daylight Between Each Platen with Adaptor	Daylight Between Each Platen without Adaptor	Number of Openings	Max. Temp. F.	Watts per Platen	Voltage** Single Phase	Base Dimension	Overall Height	Approx. Weight Lbs.
44-225	5"	8"x 8"	2	5"	10"	1	600°	750	115V	11"x16"	36"	400
44-226	5"	9"x12"	2	5"	10"	1	600°	1500	115V	11"x16"	36"	430
44-325	5"	8"x 8"	3	1 $\frac{13}{16}$ "	4 $\frac{5}{16}$ "	2	600°	750	115V	11"x16"	36"	435
44-326	5"	9"x12"	3	1 $\frac{13}{16}$ "	4 $\frac{5}{16}$ "	2	600°	1500	115V	11"x16"	36"	470
44-425	5"	8"x 8"	4*	7/8"	3 $\frac{3}{8}$ "	2	600°	750	115V	11"x16"	36"	465
44-426	5"	9"x12"	4*	7/8"	3 $\frac{3}{8}$ "	2	600°	1500	115V	11"x16"	36"	505

\*Laminating Presses - Heaters only in upper platens.

\*\*230 Volts also available.

The 75 year old reputation of Dake Corporation for building rugged, dependable equipment has been enhanced by the addition of the 44 series presses. The ability of this series to apply heat and pressure under precise control not only makes it a press ideal for laboratory use but for an unlimited number of other applications as well.

The 44 series is just right for rubber and plastic molding, testing, laminating, and short run production. These presses are available in capacities from 25 to 75 tons. Any application requiring heat, pressure and cooling under absolute control is ideal for this type press.

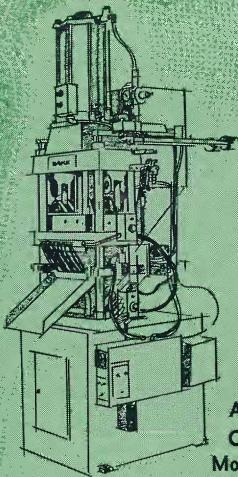


## 50 TONS

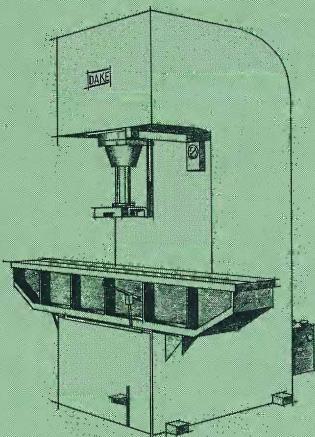
Model No.	Stroke	Platens	No. of Platens	Daylight Between Each Platen with Adaptor	Daylight Between Each Platen without Adaptor	Number of Openings	Max. Temp. F.	Watts per Platen	Voltage Single Phase	Base Dimension	Overall Height	Approx. Weight Lbs.
44-250	6"	12½" x 12½"	2	6"	10"	1	600°	2000	230V	16" x 18"	40"	800
44-251	6"	12½" x 18½"	2	6"	10"	1	600°	3000	230V	16" x 18"	40"	900
44-350	6"	12½" x 12½"	3	2½"	4½"	2	600°	2000	230V	16" x 18"	40"	875
44-351	6"	12½" x 18½"	3	2½"	4½"	2	600°	3000	230V	16" x 18"	40"	1000
44-450	6"	12½" x 12½"	4*	1¾"	3¾"	2	600°	2000	230V	16" x 18"	40"	950
44-451	6"	12½" x 18½"	4*	1¾"	3¾"	2	600°	3000	230V	16" x 18"	40"	1100

## 75 TONS

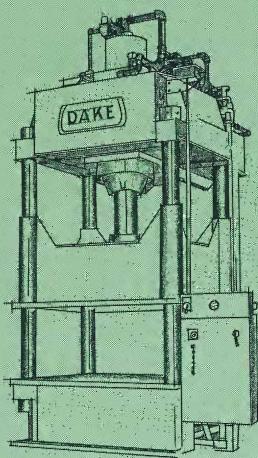
Model No.	Stroke	Platens	No. of Platens	Daylight Between Each Platen with Adaptor	Daylight Between Each Platen without Adaptor	Number of Openings	Max. Temp. F.	Watts per Platen	Voltage 3 Phase	Base Dimension	Overall Height	Approx. Weight Lbs.
44-275	6"	19" x 19"	2	6"	12"	1	600°	4000	230V	21" x 26"	50"	1800
44-375	6"	19" x 19"	3	2½"	5½"	2	600°	4000	230V	21" x 26"	50"	1900
44-475	6"	19" x 19"	4*	1¾"	4¾"	2	600°	4000	230V	21" x 26"	50"	2000



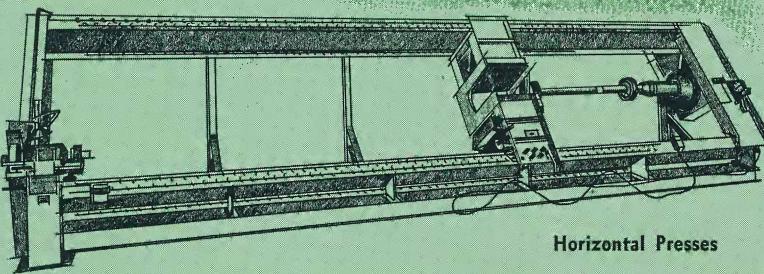
Automatic  
Compression  
Molding Presses



Gap Type Presses

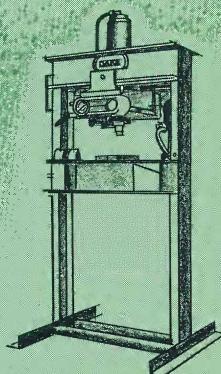
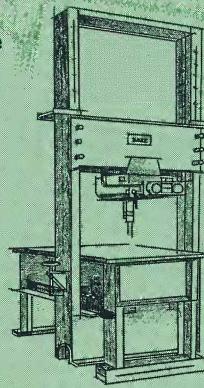


Guided Platen Presses



Horizontal Presses

Movable  
Frame  
Presses



Hydraulic  
H-Frame  
Presses

# DAKE

PRESSES FROM 1 TO 600 TONS

The DAKE Corporation builds arbor presses from one to twenty-five tons capacity and hydraulic presses from fifteen to six hundred tons capacity. In addition to the broad line of standard arbor and hydraulic shop presses DAKE designs and builds "Custom Engineered" Hydraulic Presses of all types.

In the metalworking industries, DAKE presses are widely used for assembly, straightening, bending, drawing, die development and try-out, and many other not so common applications.

The plastics industry recognizes DAKE as a leading manufacturer of compression molding presses, vacuum-formed plastics trimming presses, and steel rule die cutting presses for foams and laminates.

The DAKE Corporation will be happy to work with you in developing any operation that might be done with a hydraulic press.

Please contact us for immediate action.

# DAKE

## PRICE LIST

## PRESSES

44 SERIES  
DAKE HYDRAULIC LABORATORY PRESSES

January 2, 1967

DAKE MODEL NUMBER	Capacity Tons	Number of Platens	Platen sizes	
44-225	25	2	8" x 8"	\$ 835.00
44-226	25	2	9" x 12"	970.00
44-325	25	3	8" x 8"	970.00
44-326	25	3	9" x 12"	1,140.00
44-425	25	4*	8" x 8"	1,000.00
44-426	25	4*	9" x 12"	1,165.00
44-250	50	2	12-1/2 x 12-1/2"	\$1,420.00
44-251	50	2	12-1/2 x 18-1/2"	1,685.00
44-350	50	3	12-1/2 x 12-1/2"	1,605.00
44-351	50	3	12-1/2 x 18-1/2"	1,920.00
44-450	50	4*	12-1/2 x 12-1/2"	1,555.00
44-451	50	4*	12-1/2 x 18-1/2"	1,730.00
44-275	75	2	19" x 19"	\$2,555.00
44-375	75	3	19" x 19"	2,895.00
44-475	75	4*	19" x 19"	3,025.00

\*Heaters only in upper platens.



# DAKE

# C O R P O R A T I O N

December 13, 1966

Nelson, Systems Consultant  
Box 1546  
Poughkeepsie, New York 12603

Gentlemen:

Thank you for the interest you expressed in our line of  
Hydraulic Laboratory Presses.

In accordance with your request we are pleased to enclose a copy of our catalog #444 which describes our standard line of Hydraulic Laboratory Presses in some detail. We would like to point out that in addition to this standard line we are in a position to supply custom-engineered presses of almost any specification up to 600 tons capacity.

The presses shown in catalog #444 are generally available from our stock and the delivery of the custom-engineered presses would normally run seven to eight weeks after receipt of order.

By copy of this letter we are requesting that our representative contact you at any early date to answer any questions that you might have in regard to our press line.

Thank you again for your valued inquiry.

Yours very truly,

## DAKE CORPORATION

Paul A. Johnson

PAT:D

encl. 444-45

CC to R. J. R. Kelley Co.

519 Main Street  
East Orange, New Jersey 07018